

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/002673**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 C12P 41/00, C07C 239/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12P C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN(CASLINK), eKIPASS, Delphion**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Nakayama, Hitoshi et al 'A novel chiral microenvironmental probe at the active site of trypsin. Extrinsic Cotton effects of acyl-trypsin possessing an enantiomeric pair of chromophores.' In European Journal of Biochemistry, 112(2), pages 403-409 (1980) see the abstract	1-12
A	Hofstetter, H. et al 'Chiral interaction of a polyclonal anti-dinitrophenyl antibody with dinitrophenyl-amino acids determined by an enantioselective enzyme-linked immunosorbent assay.' In Analytica Chimica Acta, 332(2-3), pages 285-290 (1996) see the abstract	1-12
A	US 4919709 A (Moser, Hans et al) 24 April 1990 see the whole document	1-12

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

27 FEBRUARY 2004 (27.02.2004)

Date of mailing of the international search report

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2003/002673

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4919709 A	24-04-1990	ZA 8400525 A	26-09-1984
		JP 59-139346 A	10-08-1984
		IL 0070751 A1	30-01-1987
		EP 0115470 A1	08-08-1984
		DE 3461710 C0	29-01-1987
		CA 1240705 A1	16-08-1988
		BR 8400277 A	28-08-1984